SYSTEM AND METHOD FOR INTERACTIVE ELECTRONIC MEDIA EXTRACTION FOR WEB PAGE GENERATION

ABSTRACT OF THE DISCLOSURE

A system and method for parsing an electronic media database structure to produce tagged data that preserves the content, links, and electronic media structure. In particular, HyperText Markup Language (HTML) data is generated as an Interactive Electronic Technical Manual (IETM) (home page) linked into a relative structure of Web pages to support IETM deployment. An extraction process assesses the functionality associated with each node designated for presentation and builds a virtual Web, based on attributes stored in the IETM database. A series of Web pages with links that hierarchically presents IETM data at run time is produced. The method supports a data warehousing strategy that converts any data type eligible within the relational database. This expands support across multiple types of technical and engineering data. The preferred implementation utilizes a relative addressed pure HTML solution viewable in standard Web browsers. This open system implementation is cross platform and infrastructure independent, requiring no special server software. Retaining the hierarchical structure dictated by the relational database in HTML output enhances the supportability and maintainability of the Web implementation. Updates to this Web implementation can be incrementally applied within the hierarchy (small sections of data) or the entire logical sections of Web data.